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(71) Applicant (for all designated States except US): CHIRON SRL [IT/IT]; Via Fiorentina 1, I-53100 Siena (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MASIGNANI, Vega [IT/IT]; Chiron Srl, Via Fiorentina 1, I-53100 Siena (IT).

(74) Agent: Marshall, Cameron, John; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

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(54) Title: ADP-RIBOSYLATING TOXIN FROM LISTERIA MONOCYTOGENES

<i>E. coli</i> LT	KLYRADSRRPD	LYDHARGTQ	YDDGYVStSLSLRSA	SPHPYEQEVSLGGI
<i>N. meningitidis</i>	FLYRGISCQQD	VYAHQIETG	YDGCYISTTTDKEIA	PENPNERKVVTIRAD
<i>S. coelicolor</i>	TLYRSDSRGPQVVFEEGFHAKDVQNGQYDVEKYVLVNQPSPYVStSYDHDLY			HKWADQVEVAFPGGI
<i>M. pneumoniae</i>	FVYRVDLRSPE	FFEHLSTN	GRSYFISTSETPTAA	TSFAYQREWFTDGPi
<i>S. typhi</i>	FVYRVDSTPPD		SCSGGSStSRYIATT	TMMRLQRREVSTLSI
<i>S. paratyphi</i>	FVYRVD\$TPPD		SCSGGSStSRYIATT	TMMRLQRREVSTLSI
<i>S. pyogenes</i>	VVYRYYVYETFL		TKHSEFMStTALKNGA	SAVPSEVLLFPRGC
<i>L. monocytogenes</i>	ILYRGT\$SEIL		EEKGFMSStTISNOT	SETPREEAEVLFNIGQ

(57) Abstract: An ADP-ribosylating toxin from *Listeria monocytogenes* is disclosed, together with mutant toxins and uses therefor. There is only a low level of sequence identity between this toxin and known toxins such as the iota toxin from *Clostridium perfringens*.